

DERWENT PUBLICATIONS LTD.

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Laminated glass of good appearance - comprises in order
transparent plate, thermoplastic resin layer, resin film,
thermoplastic layer and transparent plate

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Glass comprises in order (A) transparent plate, (B) thermoplastic resin layer, (C) resin film, (D) thermoplastic resin layer, and (E) transparent plate. (B) and/or (D) have a thickness of upto 30 microns.

(A) is typically organic or inorganic glass. (B) has high adhesion with (A) and (C), transparency and sufficient softness at working temp. for lamination. (B) is typically polyvinyl butyral resin, SBR, NBR, neoprene, polyisoprene, polyacrylate, polyvinyl acetate, polyvinyl ether, PVC, polyethylene/polypropylene copolymer or polyester. (C) is typically polyethylene terephthalate, polyvinyl alcohol, polypropylene, polyethylene, PVC, polybutylene terephthalate, polycarbonate, acrylic resin or polyamide and coated with $\text{In}_2\text{O}_3/\text{SnO}_2$, and SnO_2 , Au, Ag, Cu or Al to provide transparency and electroconductivity and Au, Ag, Cu, Al, Ni, Pd, Sn or their alloys mixts. to provide selective transmission of light or TiO_2 , Bi_2O_3 , ZnS, WO, In_2O_3 , ZrO_2 or SiO_2 to provide dielectric activity.

The glass has favourable appearance by limiting the thickness of (B) and/or (D) to upto 30 microns even when using (C) of thickness upto 130 microns. (4pp)

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